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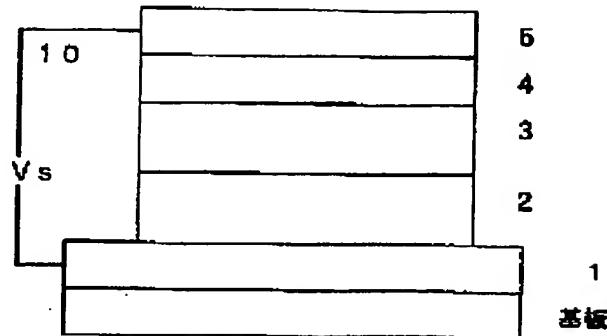
APPLICATION DATE : 30-09-97
 APPLICATION NUMBER : 09267037

APPLICANT : MINOLTA CO LTD;

INVENTOR : FURUKAWA KEIICHI;

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TITLE : ORGANIC ELECTROLUMINESCENT ELEMENT



ABSTRACT : PROBLEM TO BE SOLVED: To enhance the luminous intensity and keep stable performance even after repeated use by using mixture of a metal oxide or a metal halide and a metal for an electron injection layer.

SOLUTION: This organic electroluminescent element comprises at least an organic luminescent layer 3 and an electron injection layer 4 between an anode 1 and a cathode 5 and by using a mixture film of a metal oxide or a metal halide and a metal, the electron injection property is improved. Moreover, by making the film thickness as thin as 0.1-20 nm, the electrolytic intensity is heightened and consequently, the electrons can significantly smoothly flow. As the metal oxide or the metal halide, those having work function of 4.2 eV or lower are preferable and Mg oxide, Mg fluoride, Li fluoride, Li bromide, etc., may be used. As the metal to be mixed, Al, In, Ag, Mg, Au, etc., are preferable. The mixing ratio A:B of (A) metal oxide and/or metal halide to (B) the metal is controlled to be (1:100)-(100:1), preferably (1:20)-(20:1).

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